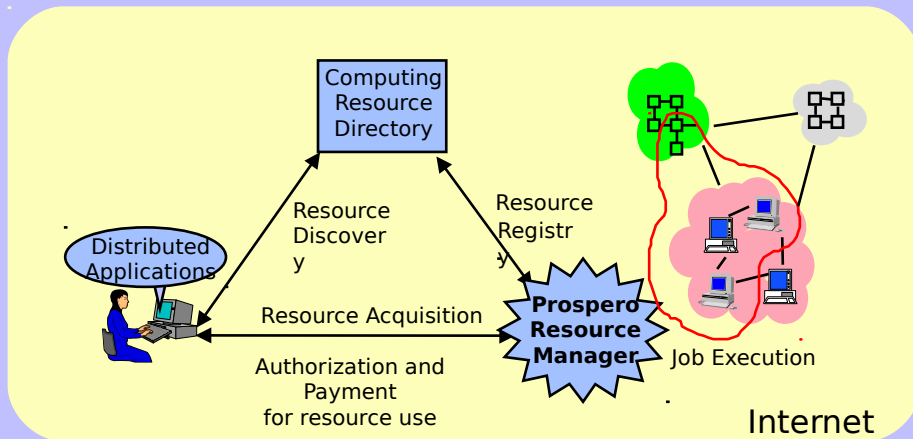


SCOPE: Scalable Computing Infrastructure



New Ideas

- Dynamic Resource discovery techniques and distributed directory services in support of resource allocation for large distributed systems and computations
- Assurance credentials to improve the security and reliability of applications that rely on selection and acquisition of processing resources on the Internet
- Distributed authorization mechanism to handle multiple administrative domains with different security policies
- Integration with accounting and online payment services to compensate owners for use of their resources

Impact

- Integrates geographically and administratively distributed processing resources on open networks
- Makes the sharing of computing resources easy without requiring a direct relationship between organizations
- Provides a means to select computing services based on user-specified security and reliability criteria
- Provides secure inter-process communication and protected remote access to computing and information resources

Schedule

